

Title (en)

DNA encoding a polypeptide having stereoselective transaminase activity, and transformants comprising said DNA

Title (de)

Deoxynukleinsäure welche ein Polypeptid mit stereoselektiver Transaminase Aktivität kodiert, sowie die Deoxynukleinsäure enthaltende Transformanden

Title (fr)

ADN codant pour un polypeptide à activité transaminase stéréosélective, et transformants comprenant cet ADN

Publication

**EP 0987332 A1 20000322 (EN)**

Application

**EP 98914111 A 19980420**

Priority

- JP 9801814 W 19980420
- JP 12173297 A 19970423

Abstract (en)

A process for efficiently producing optically active amino compounds, mainly (R)-amino compounds, at a low cost by means of a microbial enzyme; a polypeptide suitable for use in the production process and having a stereoselective transaminase activity; and a DNA coding for the polypeptide. The process is characterized by comprising causing a transaminase to act on a ketone compound as an amino acceptor in the presence of a primary amine as an amino donor to stereoselectively transfer the amino group to thus obtain an optically active amino compound. The DNA contains a base sequence coding for a polypeptide having a stereoselective transaminase activity. The polypeptide can be obtained by incubating a microorganism belonging to the genus *Arthrobacter*.

IPC 1-7

**C12P 13/04**; **C12N 15/54**

IPC 8 full level

**C12P 13/04** (2006.01); **C12N 1/21** (2006.01); **C12N 9/10** (2006.01); **C12N 15/54** (2006.01); **C12P 13/00** (2006.01)

CPC (source: EP US)

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Cited by

WO2011026556A1; US10023886B2; CN103189519A; CN103472093A; EP2857505A3; EP2862938A3; EA022764B1; WO2014060571A1; US8932836B2; WO2012007548A1; US8577622B2; EP2857505A2; EP2862938A2; EP0848065B1; US6413752B1; US6727083B2; US8921079B2; US9434968B2; US10138503B2; US10767202B2; US11371067B2; US8293507B2; US8889380B2; US9133445B2; US9353355B2; US9550982B2; US9944963B2; US10160985B2; US10619176B2; US11078505B2

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